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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|---------------------|------------------|
| 09/675,194 | 09/29/2000 | Gary D. Zimmerman | 10001701-1 | 1444 |
| 22878 | 7590 | 03/14/2005 | EXAMINER | |
| AGILENT TECHNOLOGIES, INC. INTELLECTUAL PROPERTY ADMINISTRATION, LEGAL DEPT. P.O. BOX 7599 M/S DL429 LOVELAND, CO 80537-0599 | | | PHAM, THIERRY L | |
| | | ART UNIT | | PAPER NUMBER |
| | | 2624 | | |
| DATE MAILED: 03/14/2005 | | | | |

Please find below and/or attached an Office communication concerning this application or proceeding.

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| | | |
|---|------------------------|---------------------|
| Advisory Action Before the Filing of an Appeal Brief | Application No. | Applicant(s) |
| | 09/675,194 | ZIMMERMAN, GARY D. |
| | Examiner | Art Unit |
| | Thierry L Pham | 2624 |

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

THE REPLY FILED 15 February 2005 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. The reply was filed after a final rejection, but prior to filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:
- The period for reply expires _____ months from the mailing date of the final rejection.
 - The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.
Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. The reply was filed after the date of filing a Notice of Appeal, but prior to the date of filing an appeal brief. The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because
- They raise new issues that would require further consideration and/or search (see NOTE below);
 - They raise the issue of new matter (see NOTE below);
 - They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
 - They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____. (See 37 CFR 1.116 and 41.33(a)).

4. The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).

5. Applicant's reply has overcome the following rejection(s): _____.

6. Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).

7. For purposes of appeal, the proposed amendment(s): a) will not be entered, or b) will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: _____.

Claim(s) objected to: _____.

Claim(s) rejected: 9-20.

Claim(s) withdrawn from consideration: _____.

AFFIDAVIT OR OTHER EVIDENCE

8. The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).

9. The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).

10. The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

11. The request for reconsideration has been considered but does NOT place the application in condition for allowance because:
See Continuation Sheet.

12. Note the attached Information Disclosure Statement(s). (PTO/SB/08 or PTO-1449) Paper No(s). _____.

13. Other: _____.


GABRIEL GARCIA
PRIMARY EXAMINER

Continuation of 11. does NOT place the application in condition for allowance because: The arguments presented by the applicant are not persuasive.

- Regarding claim 9, the applicant argued the cited prior arts of record fail to teach and/or suggest "a dynamic loading program for automatically determining whether the printer controller program is compatible with the print engine and the printer controller" on page 10 of Remarks.

In response, the examiner notes that such limitations are not previously cited in claim 9.

- Regarding claim 9, the applicant argued the cited prior arts (us 5930553 and us 5729204) of record are incombinable.

In response, printer controller 13 as taught by Hirst is an intergrated circuit for controlling the printer's engine 12. Printer controller 13 further includes a CPU and a storage device for storing computer program, fig. 1. Obviously, since the printer controller 13 is an integrated circuit, therefore, it can be mounted on any platform including the inside of a peripheral cable. The examiner includes Fackler reference to show such teachings (a controller disposed inside of a cable).

- Regarding claim 16, the applicant argued the cited prior arts of record (us 5930553 and us 6538762) fail to teach and/or suggest "a method for automatically determine whether the printer controller program is compatible with the print engine, the printing software and printer controller".

In response, the examiner first reminds the applicant that claim 16 is referenced to "a system" rather than a printer controller incorporated/disposed inside a cable. Hirst explicitly teaches a printer controller 13 of fig. 1 for automatically detecting and downloading new software updates for printer 10. Inherently, prior to install and implement any downloaded program, the printer controller must perform a compatibility tests before installing any programs (col. 4, lines 45-67, fig. 5). For example, if the newly installed program is incompatible with the printer, then it is not necessary for the printer controller to download any update programs at the first place (it is not necessary to install something that does not work). The printer controller 13 only downloads softwares/programs that are "compatible" from the internet and/or host computer (col. 6, lines 13-21).